

Figure 1.

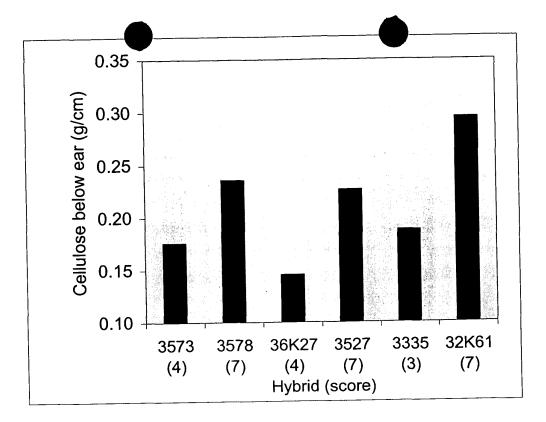


Figure 2

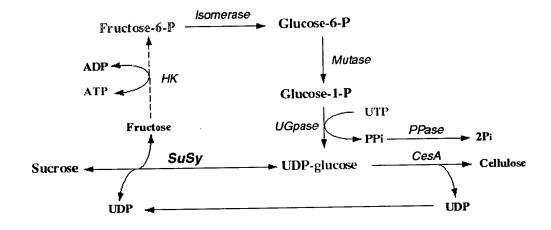


Figure 3.



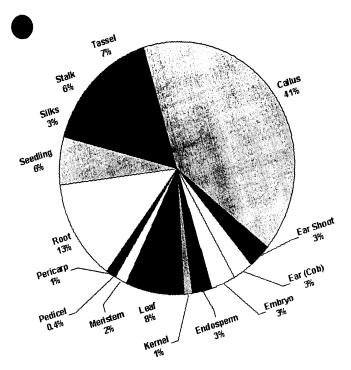


Figure 4.

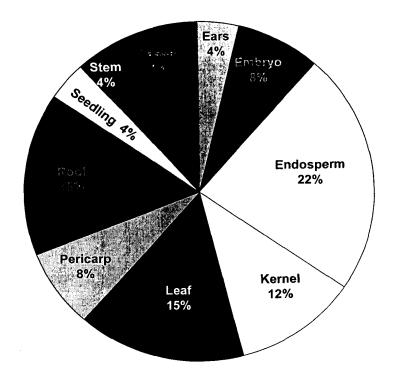


Figure 5





Figure 6.

Figure 7.

Genotype	structural dry matter (% of total dry matter)	cellulose (% of total dry matter)	cellulose (% of structural dry matter)	
Sus-1 (WT)	63.2	25.2 +/-0.38	39.9	
sus-1 (mutant)	47.3	17.7 +/-0.34	37.4	

		1 50
Sh1	(1)	maakltrlhslrerlgatfsshpnelialfsryvhogkgmlorho
Sus1	(1)	MGEGAGDRVLSRLHSVRERIGDSLSAHPNEIVAVFTRLKNLGKGMLQPHQ
Sus3	(1)	STHASGDRVEDTLHAHRNELVALLSKYVNKGKGILOPHH
Consensus	(1)	LSRLHSLRERIGDTLSAHPNELVALFSRYVN GKGMLQPHQ
	, ,	51 100
Sh1	(46)	LLAEFD-ALFDSDKEKYAPFEDILRAAQEAIVLPPWVALAIRPRPGVW
Sus1	(51)	ITAEYNNATPEAEREKLKDGAFEDVLRAAQEAIVIPPWVALAIRPRPGVW
Sus3	(40)	ILDALDEVQGSGGRA-LAEGPFLDVLRSAQEAIVLPPFVAIAVRPRPGVW
Consensus	(51)	ILAEFD AI DADRE LKDGPFEDVLRAAQEAIVLPPWVALAIRPRPGVW
	(-,	101 150
Sh1	(93)	DYIRVNVSELAVEELSVSEYLAFKEQLVDGQSNSNFVLELDFEPFNASFP
Sus1	(101)	EYVRVNVSELAVEELRVPEYLQFKEQLVEEGPNNNFVLELDFEPRNASFP
Sus3	(89)	EYVRVNVHELSVEOLTVSEYLRFKEELVDGQHNDPYVLELDFEPFNVSVP
Consensus	(101)	EYVRVNVSELAVEELSVSEYL FKEQLVDGQ N NFVLELDFEPFNASFP
	(,	151 200
Sh1	(143)	RPSMSKSIGNGVQFLNRHLSSKLFQDKESLYPLINFLKAHNYKGTTMMLN
Sus1	(151)	RPSLSKSIGNGVQFLNRHLSSKLFHDKESMYPLLNFLRAHNYKGMTMMLN
Sus3	(139)	RPNRSSSIGNGVQFLNRHLSSIMFRNRDCLEPLIDFLRGHRHKGHVMMLN
Consensus	(151)	RPSLSKSIGNGVOFLNRHLSSKLF DKESLYPLLNFLRAHNYKG TMMLN
00110011002	( /	201 250
Sh1	(193)	DRIQSIRGLQSSIRKAEEYILSMPQDTPYSEFNHRFQELGLEKGWGDTAK
Sus1	(201)	DRIRSISALQGAURKAEEHUSTLQADTPYSEFHHRFQELGLEKGWGDCAK
Sus3	(189)	DRIQSIGREQSVITKAEEHESKLPADTPYSQFAYKFQEWGLEKGWGDTAG
Consensus	(201)	DRIOSL ALOSALRKAEEHLSSLPADTPYSEF HRFOELGLEKGWGDTAK
33113311311	, _ , _ ,	251 300
Sh1	(243)	RVLDTLHLLLDLLEAPDPANLEKFLGTIPMMFNVVILSPHGYFAOSNVLG
Sus1	(251)	RAQETIHLLLDLLEAPDPSTLEKFLGTIPMVFNVVILSPHGYFAQANVLG
Sus3	(239)	HVLEMIHLLLDIIOAPDPSTLEKFLGRIPMIFNVVVVSPHGYFGQANVLG
Consensus	(251)	RVLETIHLLLDLLEAPDPSTLEKFLGTIPMIFNVVILSPHGYFAQANVLG
	(,	301 350
Sh1	(293)	YPDTGGQVVYILDQVRALENEMLLRIKQQGLDITPKILIVTRILPDAAGT
Sus1	(301)	YPDTGGQVVYILDQVRAMENEMLLRIKQCGLDITPKILIVTRILPDATGT
Sus3	(289)	LPDTGGQIVYILDQVRALENEMVLRLKKQGLDVSPKILIVTRLIPDAKGT
Consensus	(301)	YPDTGGQVVYILDQVRALENEMLLRIKQQGLDITPKILIVTRLLPDA GT
		351 400
Sh1	(343)	TCGQRLEKVIGTEHTDIIRVPFRNENGILRKWISRFDVWPYLETYTEDVS
Sus1	(351)	TCGORLEKVLGTEHCHILRVPFRTENGIVRKWISRFEVWPYLETYTDDVA
Sus3	(339)	SCNORLERISGTOHTYILRVPFRNENGILKKWISRFDVWPYLETFAEDAA
Consensus	(351)	TCGORLEKVIGTEHTHILRVPFRNENGILRKWISRFDVWPYLETYTEDVA
	•	401 450
Sh1	(393)	SETMKEMOAKPOLITIGNYSDGNLVATLIAHKLGVTOOTTAHALEKTKYPN
Sus1	(401)	HETAGELQANPOLIIGNYSDGNLVACLLAHKMGVTHCTTAHALEKTKYPN
Sus3	(389)	GETAAELQGTPDFIIGNYSDGNLVASLLSYKMGITQCNIAHALEKTKYPD
Consensus	(401)	EIAAELQA PDLIIGNYSDGNLVASLLAHKMGVTQCTIAHALEKTKYPN
		451 500
Sh1	(443)	
Sus1	(451)	
Sus3	(439)	the state of the s
Consensus	(451)	
	•	501 550
Sh1	(493)	SHIAFTLPGLYRVVHGIDVFDPKFNIVSPGADMSVYYPYTETDKRLTAFH
Sus1	(501)	The manufacture for the contract of the contra
Sus3	(489)	The rest of the control of the contr
Consensus	(501)	SHIAFTLPGLYRVVHGIDVFDPKFNIVSPGADMSIYFPYTES KRLTSLH
	•	

Figure 8a

```
(543) PETEELIYSDVENSEHKFVLKDKKKPIIFSMARLDRVKNMTGLVEMYGKN
      Sh1
           (551) PETEELLYSQTENTEHKFVLNDRNKPITFSMARLDRVKNLTGLVELYGRN
     Sus1
     Sus3
           (539) GSIENLIYDPEONDEHIGHLDDRSKPILFSMARLDRVKNITGLVEAFAKC
Consensus
           (551) PEIEELIYS ENSEHKFVL DR KPIIFSMARLDRVKNITGLVELYGKN
           (593) ARDREIANLVIVAGDHGK-ESKDREEQAEFKKMYSLIDEYKDKGHIRWIS
      Sh1
           (601) KRIQELVNLVVVCGDHGN-PSKDKEEQAEFKKMFDLIEQYNINGHIRWIS
     Sus1
           (589) AKURĒUVNUVVĀGYNDVNKSKORĒĒJĀĒJEKMHĒLĪKTĀNŪFĢOFRWIS
     Sus3
Consensus
           (601) ARLRELVNLVVVAGDHG SKDREEQAEFKKMHDLID YNL GHIRWIS
           (642)
                 AQMNRVRNGELYRYICDTKGAFVQPAFYEAFGLTVIESMTCGLPTIATCH
      Sh1
           (650) AQMNRVRNGELYRYICDIKGAFVQPAFYEAFGLTVVHAMTCGLPIFATAY
(639) AQTNRARNGELYRYIADIHGAFVQPALYEAFGLTVVHAMTCGLPIFAILH
     Sus1
     Sus3
           (651) AQMNRVRNGELYRYICDTKGAFVQPAFYEAFGLTVVEAMTCGLPTFAT H
Consensus
           (692) GGPAEITVDGVSGLHIDPYHSDKAADTLVNFFDKCKADRSYWDEISQGGL
      Sh1
           (700) GGPAETIVHGVSGYHIDPYQGDKASALLVDFFDKCQAEPSHWSKISQGGI
     Sus1
           (689) GGPAEIJEHGVSGFHIDPYHPEQAVNLMADFFDRCKQDPDHWVNISGAGL
     Sus3
Consensus
           (701)
                 GGPAEIIVHGVSGFHIDPYH DKAA LLVDFFDKCKADPSHW ISQGGL
           (742) QRIYEKYTWKLYSERLMTLTGVYGFWKYVSNLERRETRRYIEMFYALKYR
      Sh1
     Sus1
           (750) QRIEEKYTWKLYSERLMTLTGVYGFWKYVSNLERRETRRYLEMLYALKYR
           (739) QRIYEKYTWKIYSERLMTLAGVYGFWKYVSKLERLETRRYLEMFYILKFR
     Sus3
           (751) QRIYEKYTWKLYSERLMTLTGVYGFWKYVSNLERRETRRYLEMFYALKYR
Consensus
                               817
                  801
                 SLASOVPLSFD-----
      Sh1
           (792)
           (800) TMASTVPLAVEGEPSSK
     Sus1
           (789) ELAKTVPLATD-QPQ--
     Sus3
           (801) SLASTVPLAID P
Consensus
```

600

Figure 8b

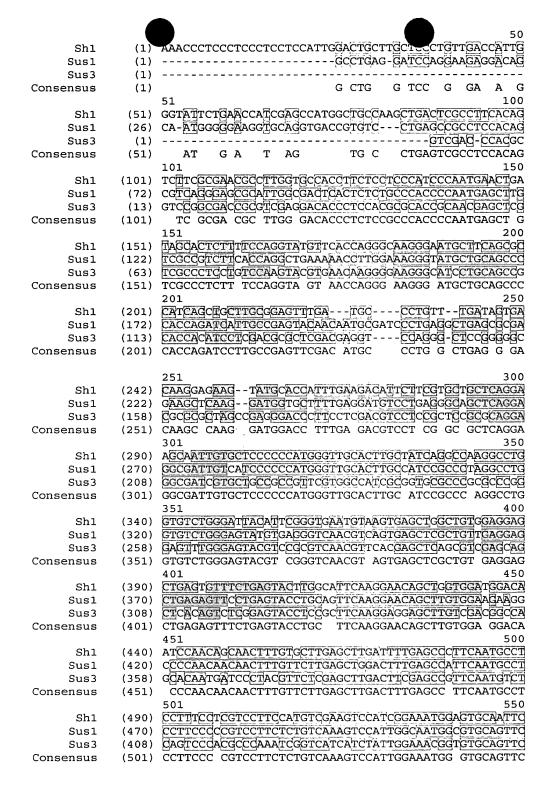


Figure 9a

```
CTTAACCGACACCTGTCGTCCAAGTTGTTCCAGGACAAGGAGAGTTTGTA
      Sh1
            (540)
            (520) CTCAACAGGCACCTGTCATCAAAGCTCTTCCATGACAAGGAGAGCATGTA
     Sus1
            (458) CTCAACCGACACTTGTCCTCAATCATGTTCCGCAACAGGGATTGCTTGGA
     Sus3
            (551) CTCAACCGACACCTGTC TCAAAG TGTTCCA GACAAGGAGAGCTTGTA
Consensus
                  CCCCTTGCTGAACTTCCTQAAGGCTCATAACTACAAGGGCACGACGATGA
            (590)
      Sh1
                  CCCCTTGCTCAACTTCCTTCGCGCCCACAACTACAAGGGGATGACCATGA
GCCCCTGTTGGATTTCCTCCGTGGCCACCGCGCACAAGGGGCATGTTATGA
     Sus1
     Sus3
Consensus
            (601)
                  CCCCTTGCTGAACTTCCTCCG GCCCACAACTACAAGGGGA GAC ATGA
                  TGTTGAATGACAGAATCCAAAGCCTTCGTGGTCTCCAATCATCCCTGAGA
      Sh1
            (640)
                  TGTTGAACGACAGAATCCGCAGTCTCAGTGCTCTGCAAGGTGCGCTGAGG
            (620)
     Sus1
                  TGCTTAATGATAGAATACAAAGCTTGGGGAGGCTTCAGTCTGTGCTGACC
     Sus3
                  TGTTGAATGACAGAATCCAAAGCCT GTGGTCT CAATCTGCGCTGAG
Consensus
            (651)
                  AAGGCAGAGAGACTATCTACTGAGTGTTCCTCAAGACACTCCCTACTCGGA
      Sh1
            (690)
                  AAGGCTGAGGAGCACCTGTCCACCCTACAAGCTGATACCCCATACTCTGA
            (670)
     Sus1
                  ANAGCTGAGGAGCACTTGTCANAGCTCCCTGCTGACACACCATACTCACA
     Sus3
            (608)
            (701) AAGGCTGAGGAGCACCTGTC A CT CCTGCTGACAC CCATACTC GA
Consensus
                  GTTCAACCATAGGTTCCAAGAGCTTGGCTTGGAGAAGGGTTGGGGTGACA
      Sh1
            (740)
                  ATTTCACCACAGGTTCCAGGAACTTGGTCTGGAGAAGGGTTGGGGTGATT
     Sus1
     Sus3
                   ATTTGCTTATAAATTTCAAGAGTGGGGCCTGGAGAAAGGTTGGGGTGATA
            (751) ATTT ACCATAGGTTCCAAGAGCTTGGCCTGGAGAAGGGTTGGGGTGATA
Consensus
                  CTGCGAAGCGTGTTCTCGACACACTCCACTTGCTTCTCGACCTTCTTGAG
     Sh1
                  GCGCTAAGCGTGCAGAGGAGACTATCCACCTCCTCTTGGACCTCCTGGAG
            (770)
     Sus1
     Sus3
                  CAGCAGGACATGTTTTGGAAATGATCCATCTCCTTCTAGACATCATTCAG
                  C GC AAGCGTGTTCTGGA AC ATCCACCTCCTTCT GACCTCCTTGAG
Consensus
            (801)
                                                                    900
                  GCCCTGATCCTGCCAACTTGGAGAAGTTCCTTGGAACTATACCAATGAT
      Sh1
            (840)
                  GCCCAGATCCGTCCACCCTGGAGAAGTTCCTTGGAACGATCCCCATGGT
     Sus1
            (758) GCGCCAGACCCATCTACCCTAGAGAAATTCTTGGGGAGGATCCCCATGAT
     Sus3
Consensus
            (851) GCCCCAGATCC TCCACCCTGGAGAAGTTCCTTGGAACGATCCCCATGAT
                  GTTCAACGTTGTTATCCTGTCTCCTCATGGCTACTTCGCCCAGTCCAATG
      Sh1
            (890)
                   GTTCAATGTCGTTATCCTCTCCCCTCATGGTTACTTCGCTCAAGCTAATG
     Sus1
             (808) TITITAACGTTGTTGTGGTATCCCCTCATGGATACTTTGGTCAAGCTAATG
     Sus3
            (901) GTTCAACGTTGTTATCCT TCCCCTCATGG TACTTCGCTCAAGCTAATG
Consensus
      Sh1
            (940)
                  TGCTTGGATACCCTGACACTGGCGGTCAGGTTGTGTACATTCTGGATCAA
                   TCTTGGGTTACCCTGACACCGGAGGCCAGGTTGTCTACATCTTGGATCAA
     Sus1
                   TATTAGGCTTGCCAGACACAGGGGGGCAGATCGTCTATATACTGGACCAA
     Sus3
Consensus
            (951)
                  T TT GG TACCCTGACAC GGAGG CAGGTTGTCTACAT CTGGATCAA
            (990)
                  GTCCGTGCTTTGGAGAATGAGATGCTTCTGAGGATTAAGCAGCAAGGCCT
      Sh1
                  GTGCGCGCTATGGAGAACGAAATGCTGCTGAGGATCAAGCAGTGTGGTCT
     Sus1
                  GTCCGTGCACTAGAAAATGAGATGGTTCTCCGTTTAAAGAAACAAGGGCT
     Sus3
           (1001) GTCCGTGCT TGGAGAATGAGATGCTTCTGAGGAT AAGCAGCAAGG CT
Consensus
                   TGATATCACTCCGAAGATCCTCATTGTTACCAGGCTGTTGCCTGATGCTG
      Sh1
           (1040)
                   TGACATCACGCCGAAGATCCTTATTGTCACCAGGTTGCTCCCTGATGCAA
     Sus1
                   TGATGTTTCCCCAAAGATTCTCATTGTTACTCGGCTGATACCAGATGCAA
     Sus3
            (958)
           (1051) TGATATCAC CCGAAGATCCTCATTGTTACCAGGCTG T CCTGATGCAA
Consensus
```

Figure 9b

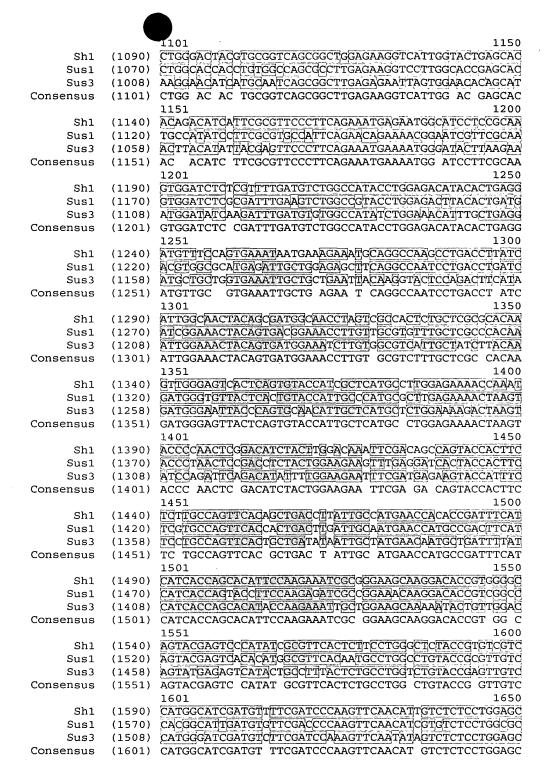


Figure 9c

		1651 1700
Sh1	(1640)	AGACATGAGTGTTTACTACCCTTATACGGAAACCGACAAGAGACTCACTG
Sus1	(1620)	GGACCTGTCCATCTACTTCCCGTACACCGAGTCGCACAAGAGGCTGACCT
Sus3	(1558)	TGACATGTCCATATACTTTCCACATACCGAGAAGGCCAAGCGACTCACCT
Consensus	(1651)	GACATGTCCAT TACTTCCC TATACCGAGACGGACAAGAGACTCACCT
consciisus	(1031)	dhemorean merrede inmediation
		1701 1750
Sh1	(1690)	CCTTCCATCCTGAAATCGAGGAGCTCATCTACAGCGACGTCGAGAACTCC
Susl	(1670)	CCCTTCACCCGGAGATTGAGGAGCTCCTGTACAGCCAAACCGAGAACACG
Sus3	(1608)	CTCTTCATGGTTCAATCGAAAATTTTGATTTATGACCCGGAGCAAAACGAT
Consensus	(1701)	CCCTTCATCCTGAAATCGAGGAGCTCAT TACAGCCA G CGAGAAC C
		1751 1800
Sh1	(1740)	GAGCACAAGTTCGTGCTGAAGGACAAGAAGAAGCCGATCATCTTCTCGAT
Sus1	(1720)	GAGCACAAGTTCGTTCTGAACGACAGGAACAAGCCAATCATCTTCTCCAT
Sus3	(1658)	GAACACATTGGGCATCTGGATGACCGGTCAAAGCCCATCCTCTTCTCCAT
Consensus	(1751)	GAGCACAAGTTCGTTCTGAA GACAGGAA AAGCC ATCATCTTCTCCAT
	(	1801 1850
Sh1	(1790)	GGCGCGTCTCGACCGCGTGAAGAACATGACAGGCCTGGTCGAGATGTACG
Sus1	(1770)	GGCTCGTCTCGACCGTGTGAAGAAGTTGACTGGGCTGGG
Sus3	(1708)	GGCAAGACTCGACAGGGTGAAGAACATAACAGGGCTGGTCGAAGCTTTTG
Consensus	(1801)	GGC CGTCTCGACCG GTGAAGAACATGACAGGGCTGGTCGAG TGTACG
combandad	(1001)	1851
Sh1	(1840)	GCAAGAACGCGCCCTGAGGGAGCTGGCGAACCTCGTGATCGTTGCCGGT
Susl	(1820)	GCCGGAACAAGCGGCTGCAGGAGCTGGTGAACCTCGTGGTCGTCTGCGGC
Sus3		CTAAGTGCGCTAAGCTGAGGGAGCTGGTAAACCTTGTCGTCGTTGCCGGG
Consensus	(1851)	GCAAGAACGCGCGGCTGAGGGAGCTGGTGAACCTCGTGGTCGTTGCCGG
compensus	(1031)	1901 1950
Sh1	(1890)	GACCACGG CAAGGAGTCCAAGGACAGGGAGGAGCAGGCGGAGTTCAA
Sus1	(1870)	GACCATGGCAACCCTTCCAAGGACAAGGAGGAGCAGGCCGAGTTCAA
Sus3	(1808)	TACAATGATGTCAACAAGTCCAAGGACAGGGAAGAGATCGCGGAGATAGA
Consensus	(1901)	GACCATGG CAAC AGTCCAAGGACAGGGAGGAGCAGGCGGAGTTCAA
00110011040	(2302)	1951 2000
Sh1	(1937)	GAAGATGTACAGCCTCATCGACGAGTACAAGTTGAAGGGCCATATCCGGT
Sus1	(1917)	GAAGATGTTTGACCTCATCGAGCAGTACAACCTGAACGGGCACATCCGCT
Sus3	(1858)	GAAGATGCATGAACTCATQAAGACCCACAACTTGTTCGGGCAGTTCCGCT
Consensus	(1951)	GAAGATGTATGACCTCATCGAG AGTACAACTTGAACGGGCA ATCCGCT
combandad	(1)31)	2001 2050
Sh1	(1987)	GGATCTCGGCGCAGATGAACCGTGTCCGCAACGGGGAGCTGTACCGCTAC
Sus1	(1967)	GGATCTCCGCCCAGATGAACCGCGTCCGCAACGGCGAGCTGTACCGCTAC
Sus3	(1908)	GGATCTCTGCCCAGACAAACAGGGCCCGTAACGGCGAGCTCTATCGCTAC
Consensus	(2001)	GGATCTC GCCCAGATGAACCG GTCCGCAACGGCGAGCTGTACCGCTAC
consensus	(2001)	doniere decendironness steeden.
		2051 2100
Sh1	(2037)	ATTTGCGATACCAAGGGCGCATTCGTGCAGCCTGCGTTCTACGAAGCGTT
Sus1	(2017)	ATCTGCGACACCAAGGGCGCCTTCGTGCAGCCTGCTTTCTACGAGGCT[TT
Sus3	(1958)	ATCGCTGATACCCATGGTGCTTTCGTACAGCCGGCCTTGTATGAAGCGTT
Consensus	(2051)	
O1- 7	(2007)	2101 2150 CGGCCTGAQTGTGATCGAGTCCATGACGTGCGGTCTGCCAACGATCGCGA
Sh1	(2087)	
Sus1	(2067)	
Sus3	(2008)	
Consensus	(2101)	
Sh1	(2127)	2200 CCTGCCATGGCGGCCTGCTGAGATCATCGTGGACGGGGTATCTGGCCTG
Susl	(2117)	CCGCCTACGGCGGTCCGGCCGAGATCATCGTGCACGGCGTGTCTGGCTAC
Susi Susi	(2058)	
	(2151)	
Consensus	(2131)	CC CCATGGCGGTCC GCTGAGATCATCGTGCACGGCGT TCTGGCTTC

Figure 9d

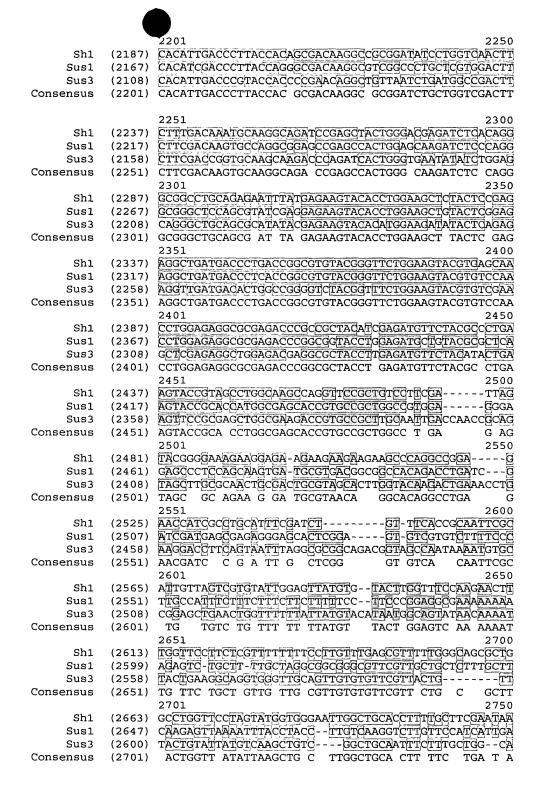


Figure 9e

		2751 28	00
Sh1	(2713)	AAATGCCTGCTCACCTGTCTTCCAGAGTGC	
Sus1	(2695)	TCCGGGTGTCGCTTGTAGTAGTCTGATGGACTGTTAGTAGTTTGCGTT	'GĈ
Sus3	(2644)	AGCCGCAGGCACTGGTGAAGTGCTGATAAATACATCATATTCTGTTGA	.cg
Consensus	(2751)	A C GC GGC CTTGTA GTCTGATAGA TG T TA T TG	C
		2801 28	50
Sh1	(2747)		- <del>-</del>
Sus1	(2745)	GTCGGTTGAGAGGGAACGTTGGTGGTGGTGGTGTGTGTGCAGTGAGGC	GT
Sus3	(2694)	TGTGAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA	
Consensus	(2801)	G A A AA GGG C	
		2851 29	00
Sh1	(2747)		
Sus1	(2795)	GGTGCTCCCTTTGTTTCCTGGATGGGATGTTGCTCCTTGAATAATAAT	'CG
Sus3	(2738)		
Consensus	(2851)		
		2901 29	50
Sh1	(2747)		
	(2845)	TAGTGGCCTTGGAGCCCTTTTCCTGAAATAAGAGCAGCATCCTAGTGC	TT:
Sus3	(2738)		
Consensus	(2901)		
		2951 2964	
Sh1	(2747)		
Susl	(2895)	ACCTTTGCAGCTGT	
Sus3	(2738)		
Consensus	(2951)		

Figure 9f

Figure 10

## Sorghum sequencem SEQ ID NO: 13 in SEQ ID NO: 11 atgreed acceptance acceptanc

## Maize sequence from SEQ ID NO: 1 in SEQ ID NO: 11

Maize sequence from	SEQ ID NO.	. I m seQ i	D 110. 11		
sa-reconstate de la constante estate g	accgcgtcga	ggacaccctc	cacgcgcacc	gcaacgagct	60
cgtcgccctc ctgtccaagt	acgtgaacaa	ggggaagggc	atcctgcagc	cgcaccacat	120
cctcgacgcg ctcgacgagg	tccagggctc	cgggggccgc	gcgctagccg	agggaccctt	180
cctcgacgtc ctccgctccg	cgcaggaggc	gatcgtgctg	ccgccgttcg	tggccatcgc	240
ggtgcgcccg cgcccgggag	tttgggagta	cgtccgcgtc	aacgttcacg	agctcagcgt	300
cgagcagctc acagtctcgg					360
caatgatccc tacgttctcg	agcttgactt	cgagccgttc	aatgtctcag	tcccacgccc	420
aaatcggtca tcatctattg					480
catgttccgc aacagggatt	gcttggagcc	cctgttggat	ttcctccgtg	gccaccggca	540
caaggggcat gttatgatgc	ttaatgatag	aatacaaagc	ttggggaggc	ttcagtctgt	600
gctgaccaaa gctgaggagc	acttgtcaaa	gctccctgct	gacacaccat	actcacaatt	660
tgcttataaa tttcaagagt					720
tttggaaatg atccatctcc	ttctagacat	cattcaggcg	ccagacccat	ctaccctaga	780
gaaattcttg gggaggatcc	ccatgatttt	taacgttgtt	gtggtatccc	ctcatggata	840
ctttggtcaa gctaatgtat	taggcttgcc	agacacagga	ggacagatcg	tctatatact	900
ggaccaagtc cgtgcactag					960
tgtttcccca aagattctca	ttgttactcg	gctgatacca	gatgcaaaag	gaacatcatg	1020
caatcagcgg cttgagagaa	ttagtggaac	acagcatact	tacatattac	gagttccctt	1080
cagaaatgaa aatgggatac					1140
ggaaacattt gctgaggatg	ctgctggtga	aattgctgct	gaattacaag	gtactccaga	1200
cttcataatt ggaaactaca	gtgatggaaa	tcttgtggcg	tcattgctat	cttacaagat	1260
gggaattacc cagtgcaaca					1320
catattttgg aagaatttcg	atgagaagta	ccatttctcc	tgccagttca	ctgctgatat	1380
aattgctatg aacaatgctg					1440
caaaaatact gttggacagt	atgagagtca	tactgccttt	actctgcctg	gtctgtaccg	1500
agttgtccat gggatcgatg	tcttcgatcc	aaagttcaat	atagtctctc	ctggagctga	1560
catgtccata tactttccac	ataccgagaa	ggccaagcga	ctcacctctc	ttcatggttc	1620
aatcgaaaat ttgatttatg					1680
ccggtcaaag cccatcctct					1740
gctggtcgaa gcttttgcta					1800
tgccgggtac aatgatgtca					1860
gatgcatgaa ctcatcaaga					1920
gacaaacagg gcccgtaacg					1980
cgtacagccg gccttgtatg					2040
gcttcctact ttcgcgacgc					2100
gggcttccac attgacccgt					2160
cgaccggtgc aagcaagacc					2220
catatacgag aagtacacat					2280
ctacggtttc tggaagtacg					2340
gatgttctac atactgaagt					2400
accgcagtag cttgcgcaac					2460
gaccttcagt aatttaggcg					2520
gtttttatt atgtacataa					2580
ttgtgtgttc gttactgttt					2640
gcaagccgca ggcactggtg			Lattetgttg	acctgtgaaa	2700
aaaaaaaaaa aaaaaaaaa	aaaaaaaggg	cygeege			

Figure 11